

CALIFORNIA INSTITUTE OF TECHNOLOGY
PASADENA

GATES AND CRELLIN LABORATORIES OF CHEMISTRY

December 12, 1958

Dr. Joshua Lederberg
Department of Medical Genetics
The University of Wisconsin
Madison 6
Wisconsin

Dear Dr. Lederberg:

Thank you for your letter and the interesting ideas. I think you might be interested in a discussion I wrote several years ago on some of the factors involved in immune mechanisms which should be considered when theorizing on antibody formation. This appeared in Chapter XI of "Amino Acids and Proteins", edited by David Greenberg, Charles Thomas, 1951. Since then many more have been added such as the lack of antibody formation in spite of the fact that antigen is present. This occurs commonly in some normal rabbits, in "tolerant" animals and also the disappearance of Ab in the circulation following termination of antigen injections. It is also true that the anemnestic reaction is relative and is probably not a life time situation.

Hope the copy of the letter is OK. Seasons greetings.

Sincerely



DHC:mc

Dan H. Campbell
Professor of Immunochemistry